

INTERNATIONAL SEARCH REPORT

PCT/NL2004/000427

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|---|-----------------------|
| A | WO 02/00280 A (NORTON HEALTHCARE LTD ; IVAX CORP (US)) 3 January 2002 (2002-01-03) Whole document ----- | 1-16 |
| A | EP 1 172 122 A (TECHNOLOGY PARTNERSHIP) 16 January 2002 (2002-01-16) Whole document ----- | 2,3,5 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Spécial categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubt on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"&" document member of the same patent family

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| Date of the actual completion of the international search 9 September 2004 | Date of mailing of the international search report 08. 11. 2004 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Borowski, A |

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16

Claims 1-16 essentially define a breath actuated dry powder inhaler having at least two air circulation chambers for de-agglomeration of entrained powder medicament, which are connected to the mouthpiece in parallel.

2. claim: 17

Claim 17 essentially defines a device for pulmonary inhalation, where the de-agglomerated medicament axially discharged from the circulation chamber is subsequently changed in direction to be fed towards a mouthpiece.

3. claims: 18-19

Claims 18 and 19 essentially define a device for pulmonary inhalation having a plurality of substantially disc shaped air circulation chamber for de-agglomeration of the dry powder, the chambers arranged in parallel.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL2004/000427

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-16

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/NL2004/000427

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|--|---|------------------|----|-------------------------|--|------------------|
| WO 0200280 | A | 03-01-2002 | AU | 7011201 A | | 08-01-2002 |
| | | | AU | 8464301 A | | 02-01-2002 |
| | | | CA | 2407051 A1 | | 27-12-2001 |
| | | | CA | 2407057 A1 | | 03-01-2002 |
| | | | EP | 1294420 A2 | | 26-03-2003 |
| | | | EP | 1294421 A2 | | 26-03-2003 |
| | | | GB | 2366740 A | | 20-03-2002 |
| | | | GB | 2372215 A | | 21-08-2002 |
| | | | JP | 2003535656 T | | 02-12-2003 |
| | | | JP | 2004529664 T | | 30-09-2004 |
| | | | WO | 0197889 A2 | | 27-12-2001 |
| | | | WO | 0200280 A2 | | 03-01-2002 |
| | | | US | 2004200475 A1 | | 14-10-2004 |
| | | | US | 2002073997 A1 | | 20-06-2002 |
| | | | US | 2002088463 A1 | | 11-07-2002 |
| | | | AU | 7011301 A | | 08-01-2002 |
| | | | CA | 2407262 A1 | | 03-01-2002 |
| | | | EP | 1330280 A2 | | 30-07-2003 |
| | | | GB | 2365778 A ,B | | 27-02-2002 |
| | | | GB | 2366208 A ,B | | 06-03-2002 |
| | | | GB | 2365779 A ,B | | 27-02-2002 |
| | | | JP | 2004501685 T | | 22-01-2004 |
| | | | WO | 0200281 A2 | | 03-01-2002 |
| | | | US | 2002078949 A1 | | 27-06-2002 |
| | | | US | 2002073996 A1 | | 20-06-2002 |
| | | | US | 2002078950 A1 | | 27-06-2002 |
| EP 1172122 | A | 16-01-2002 | EP | 1172122 A1 | | 16-01-2002 |
| | | | WO | 0205881 A1 | | 24-01-2002 |